1. **List the department without any employees in it.**

SELECT d.deptno,d.dname

FROM dept d

LEFT OUTER JOIN emp e

ON d.deptno=e.deptno

WHERE empno IS NULL;

1. **List the name and job of the employees who do not report to anybody.**

SELECT ename,job

FROM emp

WHERE mgr IS NULL;

1. **Write a query that will give you the names and jobs of all employees in New York with a commission above 10**
2. **How many employees work in Chicago?**

SELECT COUNT(ENAME)

FROM [EMP]

INNER JOIN dept ON EMP.DEPTNO = DEPT.DEPTNO

WHERE loc LIKE 'CHICAGO'

1. **Which employees work in Chicago?**

SELECT ENAME

FROM [EMP]

INNER JOIN dept ON EMP.DEPTNO = DEPT.DEPTNO

WHERE loc LIKE 'CHICAGO'

1. **List the employees’ names and cities in which they work. Order the list by city.**

SELECT ENAME, LOC

FROM [EMP]

INNER JOIN dept ON EMP.DEPTNO = DEPT.DEPTNO

ORDER BY LOC

1. **Find the number or different employees and number of departments.**

SELECT COUNT(DISTINCT(empno)) AS "EMPCOUNT" ,NULL AS "DEPTCOUNT"

FROM emp

UNION

SELECT NULL,COUNT(DISTINCT(deptno))

FROM dept;

1. **Display the employees who were hired before their managers.**

SELECT e.ename AS "EMPNAME",m.ename AS "MGRNAME"

FROM emp e

JOIN emp m

ON e.mgr=m.empno AND e.hiredate>m.hiredate;

1. **Determine the number of managers without listing them.**

SELECT COUNT(\*)

FROM emp e

JOIN emp m

ON e.mgr=m.empno AND m.mgr=(SELECT m.empno

FROM emp m

WHERE m.mgr IS NULL);

1. **Display the name and title of all employees who do not have a manager.**

SELECT ename,empno,job

FROM emp

WHERE mgr IS NULL;

1. **Create a query to display the employee name and department number for employee SMITH.**

SELECT ename,deptno

FROM emp

WHERE ename LIKE "SMITH";

1. **Display the salesmen who are not in Boston**

SELECT e.ename,e.empno,d.loc

FROM emp e

JOIN dept d

ON e.deptno=d.deptno AND e.job LIKE "SALESMAN" AND d.loc <> "BOSTON";

1. **List the details of the employees along with their location**

SELECT e.ename AS "EMP\_NAME",d.loc AS "EMP\_LOC"

FROM emp e

JOIN dept d

ON e.deptno=d.deptno;

1. **List the salesmen who are drawing salary less than Miller**

SELECT ename,empno,sal

FROM emp

WHERE job LIKE "SALESMAN" AND sal < (SELECT sal

FROM emp

WHERE ename LIKE "MILLER");

1. **Display the details of the employee working in Chicago**

SELECT \*

FROM emp e

JOIN dept d

ON e.deptno=d.deptno AND d.LOC="CHICAGO";

1. **Find the names of all employees whose salaries are greater than the minimum salary for the Manager**

SELECT ename,sal

FROM emp

where sal > ( SELECT MIN(sal) FROM emp WHERE job like "MAN%");

1. **Select the last name and job id from all employees whose department id is equal to Accounting.**

SELECT e.ename,e.empno,d.deptno

FROM emp e

JOIN dept d

ON e.deptno=d.deptno AND d.dname="ACCOUNTING";

1. **Display those emp who are working as manager**

SELECT empno,ename

FROM emp

WHERE mgr IS NOT NULL;